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OM protein - protein search, using sw model

Run on: February 10, 2004, 10:48:45 ; Search time 9.19881 Seconds

(without alignments)
570.350 Million cell updates/sec

Title: US-10-067-385-8_COPY_650_773

Perfect score: 651
Sequence: 1 EDFLPYKGELEKGYQFDG.....ATVLDKNNISKSTNNPNK 124

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
- 2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
- 3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
- 4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
- 5: /cgn2_6/ptodata/1/1aa/6C_COMB.pep:*
- 6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	615	94.5	117	3	US-08-961-083-68 Sequence 68, Appl
2	615	94.5	117	4	US-09-536-784-68 Sequence 68, Appl
3	89.5	13.7	511	4	US-09-198-452A-509 Sequence 509, App
4	87.5	13.4	1702	3	US-08-296-791-5 Sequence 5, Appli
5	87.5	13.4	1702	5	PCT-US95-10661A-5 Sequence 6, Appli
6	85	13.1	465	4	US-09-134-001C-3856 Sequence 3856, Ap
7	85	13.1	728	4	US-09-134-001C-4968 Sequence 4968, Ap
8	85	13.1	778	4	US-09-134-001C-3868 Sequence 3868, Ap
9	85	13.1	1976	3	US-09-024-020B-9 Sequence 9, Appli
10	85	13.1	1976	4	US-09-425-043-9 Sequence 9, Appli
11	85	13.1	1978	4	US-09-024-020B-3 Sequence 3, Appli
12	85	13.1	1978	4	US-09-425-043-3 Sequence 3, Appli
13	85	13.1	1988	4	US-09-024-020B-4 Sequence 4, Appli
14	85	13.1	1988	4	US-09-425-043-4 Sequence 4, Appli
15	85	13.1	746	4	US-09-370-838-185 Sequence 185, App
16	80	12.3	2184	4	US-09-417-485D-6 Sequence 6, Appli
17	79.5	12.2	194	4	US-08-881-094-17 Sequence 17, Appl
18	79.5	12.2	262	4	US-08-134-001C-3237 Sequence 3237, Ap
19	79.5	12.2	1177	4	US-09-134-001C-5106 Sequence 5106, Ap
20	78.5	12.1	700	3	US-08-235-836C-74 Sequence 74, Appl
21	78	12.0	376	6	5180810-1 Patent No. 5180810
22	78	12.0	743	3	US-08-910-925-3 Sequence 3, Appli
23	77	11.8	743	3	US-09-196-293-5 Sequence 5, Appli
24	77	11.8	663	3	US-08-209-603E-5 Sequence 5, Appli
25	77	11.8	663	3	US-08-235-836C-70 Sequence 70, Appl
26	77	11.8	663	3	US-08-235-836C-78 Sequence 78, Appl
27	77	11.8	663	4	US-09-711-546-5 Sequence 5, Appli

28	76.5	11.8	1151	4	US-09-134-001C-3242 Sequence 3242, Ap
29	76.5	11.8	1588	5	PCT-US93-07261-11 Sequence 11, Appl
30	76.5	11.8	1663	5	PCT-US93-07261-16 Sequence 16, Appl
31	75.5	11.6	299	1	US-08-137-175A-6 Sequence 6, Appli
32	75.5	11.6	299	3	US-08-479-017-6 Sequence 6, Appli
33	75.5	11.6	299	3	US-08-903-801-1 Sequence 3033, Ap
34	75	11.5	290	2	US-09-134-001C-3033 Sequence 1, Appli
35	75	11.5	290	2	US-08-903-801-1 Sequence 1, Appli
36	75	11.5	290	2	US-09-295-055-1 Sequence 18, Appl
37	75	11.5	732	2	US-08-533-669A-18 Sequence 18, Appl
38	75	11.5	732	4	US-09-183-861-18 Sequence 18, Appl
39	75	11.5	732	4	US-09-022-765-18 Sequence 18, Appl
40	74.5	11.4	112	4	US-09-551-974A-18 Sequence 18, Appl
41	74.5	11.4	112	4	US-09-328-352-8222 Sequence 8222, Ap
42	74.5	11.4	402	3	US-08-929-329-7 Sequence 7, Appli
43	74.5	11.4	402	3	US-09-464-483-4 Sequence 4, Appli
44	74.5	11.4	415	3	US-08-675-816-2 Sequence 4, Appli
45	74.5	11.4	529	3	US-09-464-483-2 Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-961-083-68
Sequence 68, Application US/08961083
Patent No. 6159469
GENERAL INFORMATION:
APPLICANT: Chol et. al.
TITLE OF INVENTION: Streptococcus pneumoniae Antigenes and Vaccines
NUMBER OF SEQUENCES: 452
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,083
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 117 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-961-083-68
Query Match 94.5%; Score 615; DB 3; Length 117;
Best Local Similarity 100.0%; Pred. No. 7.1e-60;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 8 YKGELEKGYQFDGMEISGFEGSKDAGVINSKDTFIKPVFKIIEKKKEENKFTFVSK 67
Db 1 YKGELEKGYQFDGMEISGFEGSKDAGVINSKDTFIKPVFKIIEKKKEENKFTFVSK 60

Qy 68 KKDNPQVNHSQLNESHRKEDLQREEHQSQSDTKDVTATVLDKNNISSKSTYNNPNK 124
Db 61 KKDNPQVNHSQLNESHAKEDLQREEHQSQSDTKDVATVLDKNNISSKSTYNNPNK 117

RESULT 2
US-09-536-784-68
; Sequence 68, Application US/09536784
; Patent No. 6573082

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1      COMPUTER READABLE FORM:
2      MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
3      COMPUTER: HP Vectra 466/33
4      OPERATING SYSTEM: MSDOS version 6.2
5      SOFTWARE: ASCII Text
6      CURRENT APPLICATION DATA:
7      APPLICATION NUMBER: US/09/536,784
8      FILING DATE: 30-Oct-1997
9      CLASSIFICATION: <Unknown>
10     PRIOR APPLICATION DATA:
11     APPLICATION NUMBER: 08/961,083
12     FILING DATE: OCT-30-1997
13     ATTORNEY/AGENT INFORMATION:
14     NAME: Michelle S. Marks
15     REGISTRATION NUMBER: 41,971
16     REFERENCE/DOCKET NUMBER: PB340P3
17     TELECOMMUNICATION INFORMATION:
18     TELEPHONE: (301) 309-8504
19     TELEFAX: (301) 309-8512
20     INFORMATION FOR SEQ ID NO: 68:
21     SEQUENCE CHARACTERISTICS:
22     LENGTH: 117 amino acids
23     TYPE: amino acid
24     STRANDEDNESS: single
25     TOPOLOGY: linear
26     MOLECULE TYPE: protein
27     SEQUENCE DESCRIPTION: SEQ ID NO: 68:
28
29     US-09-536-784-68

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Query Match	94.5%	Score 615	DB 415	Length 117
Best Local Similarity	100.0%	Pred. No. 7.1e-60		
Matches 117	Conservative 0	Mismatches 0	Indels 0	Gaps 0
Oy	8	YKGELEKYQFPDGMWISGFEQKKDAGYINLSKDTFIKPVFKKIEEKEENKPTFDVSK	67	
Db	1	YKGELEKGYQFPGMWISGFEQKKDAGYINLSKDTFIKPVFKKIEEKEENKPTFDVSK	60	
Oy	68	KKDNPQVNHSQLNEHRRKEDLQREESHQSKSDSTKVATATVLDKNNISSKSTTNPNK	124	
Db	61	KKDNPQVNHSQLNEHRRKEDLQREESHQSKSDSTKVATATVLDKNNISSKSTTNPNK	117	

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RESULT 3
US-09-198-452A-509
; Sequence 509, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999

```

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:
:
: CURRENT APPLICATION NUMBER: US/09/198,452A
:
: CURRENT FILING DATE: 1998-11-24
:
: NUMBER OF SEQ ID NOS: 6849
:
: SEQ ID NO 509
:
: LENGTH: 511
:
: TYPE: prt
:
: ORGANISM: Chlamydia pneumoniae
:
: US-09-198-452A-509

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Query Match 13.7%; Score 89.5; DB 4; Length 511;
Best Local Similarity 24.5%; Pred. No. 0.13;
Matches 23; Conservative 17; Mismatches 33; Indels 21; Gaps 2.

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QY      86 EDLQREHSQKSDSTKDVATVLDKNNISSKSTT 119
      ||| | ||| : : ||| :
DB      155 GDLPRVGHDSNEDSTEDSR---EGGEPSKSSS 185

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US-08-296-791-5
: Sequence 5, Application us/08296791
: Patent No. 6245337
: GENERAL INFORMATION:
: APPLICANT: St. Gene III, Joseph W.
: APPLICANT: Falkow, Stanley
: TITLE OF INVENTION: Haemophilus Adherence and Pe
: TITLE OF INVENTION: Protein
: NUMBER OF SEQUENCES: 9
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Fleht, Hohbach, Test, Albritton & H
: STREET: 4 Embarradero Center, Suite 3400
: CITY: San Francisco
: STATE: California
: COUNTRY: United States
: ZIP: 94111-4187
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent in Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: us/08/296,791
: FILING DATE: 25-AUG-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Treagarin, Richard F.
: REGISTRATION NUMBER: 31,801
: REFERENCE/DOCKET NUMBER: A-59941/RT/RMS
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 781-1989
: TELEFAX: (415) 398-3249
: TELEX: 910 277299
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1702 amino acids
: TYPE: amino acid
: TOPOLOGY: unknown
US-08-296-791-5

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Query Match	13.4%	Score 87.5;	DB 3;	Length 1702;
Best Local Similarity	27.2%;	Pred. No. 1;		
Matches 25;	Conservative 14;	Mismatches 50;	Indels 3;	Gaps 1.

95 --QKSDSTKDVTATVLDKNNISSKSTTNNPNK 124

Db 1356 S0P0ETSAE7TAASTDETTIADNSKRSKPNR 1387

RESULT 5

PCT-US95-10661A-5
Sequence 5, Application PC/TUS9510661A

GENERAL INFORMATION:

APPLICANT: Washington University, et al.

TITLE OF INVENTION: Haemophilus Adherence and Penetration Protein

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESS: Flehr, Hohbach, Test, Albritton & Herbert

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: United States

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/10661A

FILING DATE: 16-AUG-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/296,791

FILING DATE: 25-AUG-1994

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Trecartin, Richard F.

REGISTRATION NUMBER: 31,801

REFERENCE/DOCKET NUMBER: FP-59941/RFT

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

TELEX: 910 277299

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 1702 amino acids

TYPE: amino acid

TOPOLOGY: unknown

PCT-US95-10661A-5

Query Match 13.4%; Score 87.5; DB 5; Length 1702;
Best Local Similarity 27.2%; Pred. No. 1;
Matches 25; Conservative 14; Mismatches 50; Indels 3; Gaps 1;

QY 36 INLSKDTIKYFVKIIEKKKEENKPTDVSKKKNPQVNSHLSHREKEDLQREHS- 94
Db 1296 INTGSAITITETAEKSDKQETETASTDASQHKANTVADNSVANNSESSEKSRRSI 1355

QY 95 --QKSDSTKVATVLDKNISKSSTNNPNK 124
Db 1356 S0P0ETSAE7TAASTDETTIADNSKRSKPNR 1387

RESULT 6

US-09-134-001C-3856

Sequence 3856, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

FILE REFERENCE: GTC-007

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055,779

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3856
LENGTH: 465
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3856

Query Match 13.1%; Score 85; DB 4; Length 465;
Best Local Similarity 32.6%; Pred. No. 0.34;
Matches 30; Conservative 15; Mismatches 21; Indels 26; Gaps 6;

QY 51 IEKKKEENKPTDVSKKKNPQVNSHLSHREKEDLQREHSQKSDSTK- 99
Db 3 MEENKQPNKE--NMSNDNA-----THLNDSHREDELFRNKNARQRRRRIDNSK 56

QY 100 TKQVYAT-----VLDKNISKSSTNNPNK 124
Db 57 EKDATSTQSOLETKPMDFIDNHKS--HNQNK 86

RESULT 7

US-09-134-001C-4968

Sequence 4968, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

FILE REFERENCE: GTC-007

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055,779

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674

LENGTH: 728

TYPE: PRT

ORGANISM: Staphylococcus epidermidis

US-09-134-001C-4968

Query Match 13.1%; Score 85; DB 4; Length 728;
Best Local Similarity 28.0%; Pred. No. 0.62;
Matches 23; Conservative 15; Mismatches 36; Indels 8; Gaps 2;

QY 51 IEKKKEENKPTDVSKKKD---NPQVNSHLSHREKEDLQREHSQKSDSTK- 102
Db 46 LEEQIKALDKKFFASQAKQNTQNTQNNHQSNNKQNSNDKEQSQKNSKPTKKEQN 105

QY 103 VTAIVLDKNISKSSTNNPNK 124
Db 106 NKGQNNKNNKNNKQNNKNNK 127

RESULT 8

US-09-134-001C-3868

Sequence 3868, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

FILE REFERENCE: GTC-007

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055,779

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 3868

LENGTH: 778

TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3868

Query Match 13.1%; Score 85; DB 4; Length 778;
Best Local Similarity 26.4%; Pred. No. 0.68;
Matches 37; Conservative 19; Mismatches 42; Indels 42; Gaps 8;

QY 4 ILPVYK-----GELKGYQFDGW---EISGFR-----GKKDAGYIN--LSKDTFTK 45
DB 647 VLPHSKVMMDLMTDLP--DMTGWTKEDVLAFEDLTKIKVSTKGNFVTKQISKQIITK 705
QY 46 PVFKKIEKKKEBKPTFDVS---KKDNPQVNSQLNESHKEDLOREHSOKSDSTK 101
DB 706 -----NKKIEVSLSAEDTDDQEKTDSDSSNKKSKKADHDHNTSSSTK 752
QY 102 DVTATVLDKNNISSKSTNN 121
DB 753 N-----DKSNADSKNDSD 766

RESULT 9

US-09-024-020B-9
Sequence 9, Application US/09024020B
Patent No. 6030810
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGAMESWARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,020B
FILING DATE: 16-FEB-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ. ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1976 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-024-020B-9

Query Match 13.1%; Score 85; DB 3; Length 1976;
Best Local Similarity 25.2%; Pred. No. 2.3;
Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

QY 17 OPDGEISGFEKGDAGYVINSKDTFIKPVFKKIEKKKEBKPTFDVSKKKNPQVNH 76
DB 989 EMMNLQISVIRIKKGVAMT-KYKVAHFMQAHFK---QREADVKKPLDELYEKKANCIANH 1044

QY 77 SOLNESHKREDLOREHSOKSDSTVDVTATVLDKNNISSKSTNNPN 123
DB 1045 TGV-DIHRNGDFQKNGNGTTSIGSSVEKYIIDEDHM---SPINNPN 1087

RESULT 10

US-09-425-043-9
Sequence 9, Application US/09425043
Patent No. 6335172
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGAMESWARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425,043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024,020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ. ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1976 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-425-043-9

Query Match 13.1%; Score 85; DB 4; Length 1976;
Best Local Similarity 25.2%; Pred. No. 2.3;
Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

QY 17 OPDGEISGFEKGDAGYVINSKDTFIKPVFKKIEKKKEBKPTFDVSKKKNPQVNH 76
DB 989 EMMNLQISVIRIKKGVAMT-KYKVAHFMQAHFK---QREADVKKPLDELYEKKANCIANH 1044

QY 77 SOLNESHKREDLOREHSOKSDSTVDVTATVLDKNNISSKSTNNPN 123
DB 1045 TGV-DIHRNGDFQKNGNGTTSIGSSVEKYIIDEDHM---SPINNPN 1087

RESULT 11

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US-09-024-020B-3
; Sequence 3, Application us/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1978 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-024-020B-3

Query Match 13.1%; Score 85; DB 3; Length 1978;
Best Local Similarity 25.2%; Pred. No. 2.3; Indels 8; Gaps 4;
Matches 27; Conservative 25; Mismatches 47;

Qy 17 QPDMETISGFEKKDAGVYINLSKDTPIKPVFKIEKKEENKPTPDVSKKKONPOVNH 76
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 991 EMNNLQISVIRIKKGVAMT-KVKVHAFMQAHFK--QREADVPLDELVEKKANCIANH 1046
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 77 SQLNESHRKEDLPQREHSQKSDSTKDYATVLDKNINSSKSTNNPN 123
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1047 TGV-DIHRNGDFQKNGGTTSIGSSVEKYIIDEDHM---SFINNPN 1089
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 12
US-09-025-043-3
; Sequence 3, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/425,043
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1978 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-025-043-3

Query Match 13.1%; Score 85; DB 4; Length 1978;
Best Local Similarity 25.2%; Pred. No. 2.3; Indels 8; Gaps 4;
Matches 27; Conservative 25; Mismatches 47;

Qy 17 QPDMETISGFEKKDAGVYINLSKDTPIKPVFKIEKKEENKPTPDVSKKKONPOVNH 76
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 991 EMNNLQISVIRIKKGVAMT-KVKVHAFMQAHFK--QREADVPLDELVEKKANCIANH 1046
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 77 SQLNESHRKEDLPQREHSQKSDSTKDYATVLDKNINSSKSTNNPN 123
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1047 TGV-DIHRNGDFQKNGGTTSIGSSVEKYIIDEDHM---SFINNPN 1089
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 13
US-09-024-020B-4
; Sequence 4, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
```

```

1 OPERATING SYSTEM: PC-DOS/MS-DOS
2 SOFTWARE: Patent Release #1.0, Version #1.30
3 CURRENT APPLICATION DATA:
4 APPLICATION NUMBER: US/09/024,020B
5 FILING DATE: 16-FEB-1998
6 CLASSIFICATION: 536
7 PRIOR APPLICATION DATA:
8 APPLICATION NUMBER: US 60/039,447
9 FILING DATE: 26-FEB-1997
10 ATTORNEY/AGENT INFORMATION:
11 NAME: CLARK, JANET P.
12 REGISTRATION NUMBER: 34,799
13 REFERENCE/DOCKET NUMBER: R0020B-REG
14 TELECOMMUNICATION INFORMATION:
15 TELEPHONE: (650) 852-3097
16 TELEFAX: (650) 855-5322
17 INFORMATION FOR SEQ ID NO: 4:
18 SEQUENCE CHARACTERISTICS:
19 LENGTH: 1988 amino acids
20 TYPE: amino acid
21 STRANDEDNESS: single
22 TOPOLOGY: linear
23 MOLECULE TYPE: peptide
24 US-09-024-020B-4
25
26 Query Match: 13.1%; Score 85; DB 3; Length 1988;
27 Best Local Similarity 25.2%; Pred. No. 2.3;
28 Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;
29
30 QY 17 QFDGWEIGFSGKQDAGVYINLSKDTFIKPYFKLIEKKEENKPTFVSKKKNQPNVNH 76
31 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
32 Db 1001 EMNVLQISVIRIKKGVANT-KYKHAFFQAFHK--QEADEVKPLDELYEKKANCIANH 1056
33
34 QY 77 SQLNESHRKEDLQREHSQSKSDSTKDTATYLDKNNISSKSTNNPN 123
35 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
36 Db 1057 TGV-DIHRNGDFQKNGNGTSGIGSSVEKYIIDBDHM--SFINNPN 1099
37
38 RESULT 14
39 US-09-425-043-4
40 Sequence 4, Application US/09425043
41 Patent No. 6335172
42 GENERAL INFORMATION:
43 APPLICANT: DELGADO, STEPHEN G.
44 APPLICANT: DIETRICH, PAUL S.
45 APPLICANT: FISH, LINDA M.
46 APPLICANT: HERMAN, RONALD C.
47 APPLICANT: SANGAMESWARAN, LAKSHMI
48 TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
49 NUMBER OF INVENTION: SODIUM CHANNEL 1-SUBUNIT AND A SPLICE VARIANT THEREOF
50 NUMBER OF SEQUENCES: 43
51 CORRESPONDENCE ADDRESS:
52 ADDRESSEE: JANET PAULINE CLARK
53 STREET: 3401 HILLVIEW AVENUE, MS A2-250
54 CITY: PALO ALTO
55 STATE: CA
56 COUNTRY: U.S.A.
57 ZIP: 94304-1397
58 COMPUTER READABLE FORM:
59 MEDIUM TYPE: floppy disk
60 COMPUTER: IBM PC compatible
61 OPERATING SYSTEM: PC-DOS/MS-DOS
62 SOFTWARE: Patent Release #1.0, Version #1.30
63 CURRENT APPLICATION DATA:
64 APPLICATION NUMBER: US/09/425,043
65 FILING DATE:
66 CLASSIFICATION:
67 PRIOR APPLICATION DATA:
68 APPLICATION NUMBER: US 09/024,020
69 FILING DATE: 16-FEB-1998
70 APPLICATION NUMBER: US 60/039,447
71 FILING DATE: 26-FEB-1997
72 ATTORNEY/AGENT INFORMATION:

```

```

      : NAME: CLARK, JANET P.
      : REGISTRATION NUMBER: 34,799
      : REFERENCE/DOCKET NUMBER: R0020B-REG
      : TELECOMMUNICATION INFORMATION:
      :   TELEPHONE: (650) 852-3097
      :   TELEFAX: (650) 855-5322
      :   INFORMATION FOR SEQ ID NO: 4:
      :     SEQUENCE CHARACTERISTICS:
      :       LENGTH: 1988 amino acids
      :       TYPE: amino acid
      :       STRANDEDNESS: single
      :       TOPOLOGY: linear
      :     MOLECULE TYPE: peptide
      : US-09-425-043-4

Query Match          13.1%; Score 85; DB 4; Length 1988;
Best Local Similarity 25.2%; Pred. No. 2.3;
Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

OY 17 QFDWEISGEGCKDAGVIVINLSKDTFIKPVPFKIEEKKEENKPTFVDSKKKNPQVNH 76
    : : : | | | | | : : : : : : : : : : : : : : : : : :
Db 1001 EMMNLQTSVIRIKGVAMT-KVKVHAFMOAHFK--GREADVEPLDELYEKKANCIANH 1056
    : : : | | | | | : : : : : : : : : : : : : : : : : :
    1057 TGV-DIHRNGDFQKNGNGTTSGIGSSVEKYIIIDDH---SFINNPN 1099

RESULT 15
US-09-370-838-185
Sequence 185; Application US/09370838
Patent No. 6444425
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Mohamach, Mohamad
APPLICANT: Secretist, Heather
TITLE OF INVENTION: Compounds for therapy and diagnosis of
TITLE OF INVENTION: Lung cancer and methods for their use
FILE REFERENCE: 210121.475C1
CURRENT APPLICATION NUMBER: US/09/370,838
CURRENT FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: US 09/285,323
EARLIER FILING DATE: 1999-04-02
NUMBER OF SEQ ID NOS: 289
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 185
LENGTH: 746
TYPE: PRT
ORGANISM: Homo sapien
US-09-370-838-185

Query Match          12.3%; Score 80; DB 4; Length 746;
Best Local Similarity 26.4%; Pred. No. 2.2;
Matches 32; Conservative 21; Mismatches 56; Indels 12; Gaps 4;

OY 10 GELEKGYPFGWETSIG--FEKKDAGVIVINLSKDTFIKPVPFKIEEKKEENKPTFVSK 67
    : : : | | | | | : : : : : : : : : : : : : : : : : :
Db 115 GOEKKOSFSXMEWSGKHGEVSGLPAVSLEROKDSTKLRLTPREOKKOESKSPSPSQ 174
    : : : | | | | | : : : : : : : : : : : : : : : : : :
OY 68 -KKNPQVNSQLNESHAKED-----LORESHSKSDSTKVTVTLVDLNKNNISKST 118
    : : : | | | | | : : : : : : : : : : : : : : : : : :
Db 175 WKQDTPFSKAGYVEQKQDETPLMPVOLQEQ-DPKQQTPSKWTPSMOSEONTTYSWT 233
    : : : | | | | | : : : : : : : : : : : : : : : : : :
OY 119 T 119
    : : : | | | | | : : : : : : : : : : : : : : : : : :
Db 234 T 234

```

GENERAL INFORMATION:
APPLICANT: Long, David M.
APPLICANT: Metz, Anneke M.
APPLICANT: Love, Ruchelle A.
TITLE OF INVENTION: Telomerase Reverse Transcriptase (TERT) Genes
FILE REFERENCE: 47714-5009-US
CURRENT APPLICATION NUMBER: US/09/417,485D
CURRENT FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 6
LENGTH: 2184
TYPE: PRT
ORGANISM: Plasmodium falciparum
FEATURE:
NAME/KEY: unsure
LOCATION: (330)..(335)
OTHER INFORMATION: Xaa at position 330 = Leu or Ile;
OTHER INFORMATION: Xaa at position 335 = Asp or Gly.
US-09-417-485D-6

Query Match 12.3%; Score 80; DB 4; Length 2184;
Best Local Similarity 25.9%; Pred. No. 9.3;
Matches 21; Conservative 17; Mismatches 31; Indels 12; Gaps 2;

QY 40 KDTPIKPVFKIEEKEENKPTFVSKKONPVNHSQNLNESHKEDLQREHSHQKSDS 99
DB 305 KDKLPEIDFSEBKEKSSVGYDKKK-----NXSNIRKFNKIRTKKEKKKKWK 358
QY 100 TKDVTATVLDKNNISKSSTN 120
DB 359 -----IINRNNTIQHNTTN 373

RESULT 17
US-08-881-094-17
Sequence 17, Application US/08881094A
Patent No. 6022739
GENERAL INFORMATION:
APPLICANT: Ryan, Clarence A
APPLICANT: Pearce, Gregory L
APPLICANT: McGill, Barry F
TITLE OF INVENTION: Systemin
FILE REFERENCE: 7555-000001CB
CURRENT APPLICATION NUMBER: US/08/881,094A
CURRENT FILING DATE: 1997-07-09
EARLIER APPLICATION NUMBER: 08/308,887
EARLIER FILING DATE: 1994-09-19
EARLIER APPLICATION NUMBER: PCT/US93/02428
EARLIER FILING DATE: 1993-03-18
EARLIER APPLICATION NUMBER: 07/885,412
EARLIER FILING DATE: 1992-03-19
EARLIER APPLICATION NUMBER: 07/528,956
EARLIER FILING DATE: 1990-05-25
EARLIER APPLICATION NUMBER: PCT/US91/03685
EARLIER FILING DATE: 1991-05-24
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 17
LENGTH: 194
TYPE: PRT
ORGANISM: Solanum tuberosum
US-08-881-094-17

Query Match 12.2%; Score 79.5; DB 3; Length 194;
Best Local Similarity 24.7%; Pred. No. 0.43;
Matches 24; Conservative 18; Mismatches 22; Indels 33; Gaps 4;

QY 25 GFEKGKAGYVINSKDTFIKPVFK-----KIEEKEENK-----PTFVDS 66
DB 63 GADGKER-----NVEKETISKIIRIKIEDDAQEKIKVEEVEEYKEKIVKSGSPSQIN 117
QY 67 KKKONPVNHSQNLNESHKEDLQREHSHQKSDSTDV 103

DB 118 NKGDPPQ-----EKPVHEBEGDEKETPSQDI 144

RESULT 18
US-09-134-001C-3237
Sequence 3237, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3237
LENGTH: 262
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3237

Query Match 12.2%; Score 79.5; DB 4; Length 262;
Best Local Similarity 28.7%; Pred. No. 0.64;
Matches 33; Conservative 15; Mismatches 34; Indels 33; Gaps 5;

QY 36 INLSKDTPIKPVFKIEEKEENKPTFVSKKONPVNHSQNLNESHKEDLQREHSHQKSDS 79
DB 4 VNTSND-SNESSQDEKKEKPTFVSKKONPVNHSQNLNESHKEDLQREHSHQKSDS 62
QY 80 -----NESHKEDLQREHSHQKSDSTDVATVLDKN-NISKSSTNNPNK 124
DB 63 DLSEVSGKGNVLRKDV---ENSGKSSQ---TAKSSKSGNSGSKSNPNPSK 111

RESULT 19
US-09-134-001C-5106
Sequence 5106, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5106
LENGTH: 1177
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5106

Query Match 12.2%; Score 79.5; DB 4; Length 1177;
Best Local Similarity 30.3%; Pred. No. 4.7;
Matches 27; Conservative 10; Mismatches 33; Indels 19; Gaps 4;

QY 51 IEKKEEENKPTF-----DVSKKONPVNHSQNLNESHKEDLQREHSHQKSD--STKDV 103
DB 385 IDNKAQNNPLFYEBEIDLTTSQVYKVEE--TESKNDELVSSNHYHSNDAAVEBA 443
QY 104 TATVLDKNN-----ISSKSSTNN 121
DB 444 EYHELDNRQONQNSQODDISSKSSTN 472

RESULT 20
US-08-235-836C-74
Sequence 74, Application US/08235836C
Patent No. 6248562
GENERAL INFORMATION:
APPLICANT: Dunn, John J.
APPLICANT: Luft, Benjamin J.
TITLE OF INVENTION: No. 6248562el Chimeric Proteins Comprising
TITLE OF INVENTION: Borrelia Polypeptides and Uses Therefor
NUMBER OF SEQUENCES: 144
CORRESPONDENCE ADDRESS:
ADDRESS: Brookhaven National Laboratory
STREET:
CITY: Upton
STATE: NY
COUNTRY: USA
ZIP: 11973
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/235,836C
FILING DATE: 29-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/148,191
FILING DATE: 01-11-93
ATTORNEY/AGENT INFORMATION:
NAME: Bogosian, Margaret C.
REGISTRATION NUMBER: 25,324
REFERENCE/DOCKET NUMBER: BNL93-28A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 282-7338
TELEFAX: (516) 282-3729
INFORMATION FOR SEQ ID NO: 74:
SEQUENCE CHARACTERISTICS:
LENGTH: 700 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-235-836C-74

Query Match 12.1%; Score 78.5; DB 3; Length 700;
Best Local Similarity 24.3%; Pred. No. 3;
Matches 27; Conservative 29; Mismatches 32; Indels 23; Gaps 5;

QY 36 INLSKDTFTKPVFKIEKKKEENKP-TFVSKKKKDNPNV-----HSQINES---H 83
DB 316 LDIQRTVVEKIOENINENINKEKALPKPGDVSSPKVKKQIQTESIEDLOELKETGDEN 375

QY 84 RKEDLOREHSQSD-----STKQVTAIVLDKNNISSKSTNNPNK 124
DB 376 QREIEKQIEIKKSDKELKSKODKASKQSKALDLDLR-ELNSKASKEKSKX 425

RESULT 21
5180810-1
Patent No. 5180810
APPLICANT: Gomi, Hideyuki; Hozumi, Tatsunobu; Hattori, Shizuo;
Tagawa, Chikaki; Kishimoto, Fumitaka; Bjorck, Lars
TITLE OF INVENTION: PROTEIN H CAPABLE OF BINDING TO IGG
NUMBER OF SEQUENCES: 4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/376,641
FILING DATE: 07-JUL-1989
SEQ ID NO: 1;
LENGTH: 376
5180810-1

Query Match 12.0%; Score 78; DB 6; Length 376;

Best Local Similarity 23.4%; Pred. No. 1.5;
Matches 33; Conservative 22; Mismatches 58; Indels 28; Gaps 4;

QY 8 YKGELEKGYQPDGWEISFEGKKDAGYV--NLKDTFTKPVFKK-----IEKK 55
DB 137 YQREVEKRYEQDLOKQOQLETERKQISEARSKSLRDLASRAKKDLAEHOKLEAHQK 196

QY 56 EENKPTFVSKK-----KDNQVNHSQLNESHKREDLOREHSQKSDTKDV 103
DB 197 LKEDKQISDASQGLSRDLASRAKKELAEHOKLEAHQK-----LKEDKQISDASRQ 252

QY 104 TATVLDKNNISSKSTNNPNK 124
DB 253 LSRDLASRAKKELAEHOK 273

RESULT 22
US-08-910-925-3
Sequence 3, Application US/08910925
Patent No. 6162601
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Shah, Purvi
TITLE OF INVENTION: HUMAN PININ SPLICE VARIANT
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,925
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0365 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 743 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1684847
US-08-910-925-3

Query Match 12.0%; Score 78; DB 3; Length 743;
Best Local Similarity 24.8%; Pred. No. 3.7;
Matches 29; Conservative 28; Mismatches 36; Indels 24; Gaps 5;

QY 12 LKGYQPDGWEI--SGFEKQDAGYVINKDTFTKPVFKIEKKKEENKPFPDVSKKK 69
DB 319 VETGQNHNDVEIEEAGEEKEIGVHSDA-----KEDEEOKQKMEVMEK 367

QY 70 DNPQVNHSQLNESHKREDLOREHS---QKSDTKQVTA--TVLDKNNISSKSTNN 121


```

; LENGTH: 663 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-235-836C-78

Query Match          11.8%; Score 77; DB 3; Length 663;
Best Local Similarity 31.3%; Pred.No. 4.1;
Matches    26; Conservative   20; Mismatches   29; Indels      8; Gaps     4

QY      45 KPVVKTKIEEKKEENKPTFDVSKKKDNQNVHSD-LN-EHSRKEDLOREESHOKSDSTKD 102
        : : : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db       378 REIKRQIETIRKNDE-----ELPKDKHAKDLKQLNSKASKSEKIIGEEDKEIDSKYN 432

OY      103 V-TATVLDKNNISSKSTTNNEPK 124
        : : : | : | : | : | : | : |
Db       433 LEFVSADKVVDKISKSNNEYSK 455

RESULT 27
US-09-711-546-5
; Sequence 5, Application US/09711546
; Patent No. 6509019
; GENERAL INFORMATION:
APPLICANT: Fuchs, Renate
APPLICANT: Wilske, Bettina
APPLICANT: Motz, Manfred
APPLICANT: Soutschek, Brwin
APPLICANT: Preseac-Mursic, Vera
TITLE OF INVENTION: Active proteins from Borrelia
TITLE OF INVENTION: burgdorferi
FILE REFERENCE: 738 001053
CURRENT APPLICATION NUMBER: US/09/711,546

```

QY 49 KIEEKEEENKPTFDVSKKD-----NPQVHSQLNESHKREDIQREE-HSQKSD 98

APPLICANT: BERGSTROEM, Sven
APPLICANT: HANSSON, Lennart
TITLE OF INVENTION: IMPROVEMENT IN BORRELIA BURGDORFERI AND
TITLE OF INVENTION: PROPHYLAXIS

```

NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/137,175A
FILING DATE: 26-OCT-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/08972
FILING DATE: 22-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: COOPER, Iver P.
REGISTRATION NUMBER: 28,005
REFERENCE/DOCKET NUMBER: BARBOUR=1B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 299 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-137-175A-6

Query Match      11.6%; Score 75.5; DB 1; Length 299;
Best Local Similarity 27.5%; Pred. No. 2.1;
Matches 36; Conservative 18; Mismatches 42; Indels 35; Gaps 7

Cy 18 FDGWEISGPEGKDG--YVINLSKQTF-IKPVPK-----KIEEKKEENK----- 60
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db 62 FNGNKILPFSKENSGAKTIELRATVDTVELKGVSDDKNSSGKLEGTKADTKYAMTIADL 121
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Cy 61 -----PTPDVSKKKDNPQVNHSQ---LNDSHRKEDLQ-----RE-----EHSQKSDSTKD 102
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db 122 NTITVETYDASAKKTGGSEVVKQGGSVIKESYKANLDSKKITRENMTTLEYSEMWDSSND 181
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Cy 103 VTATVLDKNNT 113
    |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
Db 182 TKAVETLKXGI 192

RESULT 32
US-08-479-017-6
Sequence 6, Application US/08479017
Patent No. 6143872
GENERAL INFORMATION:
APPLICANT: BARBOUR, Alan G.
APPLICANT: BERGSTROM, Sven
APPLICANT: HANSSON, Lennart
TITLE OF INVENTION: IMPROVEMENT IN BORRELIA BURGDORFERI AND
TITLE OF INVENTION: PROPHYLAXIS
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

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      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.25
      CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/479,017
      FILING DATE:
      CLASSIFICATION:
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US/08/137,175
      FILING DATE: 26-OCT-1993
      APPLICATION NUMBER: PCT/US92/08972
      FILING DATE: 22-OCT-1992
      ATTORNEY/AGENT INFORMATION:
      NAME: COOPER, Iver P.
      REGISTRATION NUMBER: 28,005
      REFERENCE/DOCKET NUMBER: BARBOUR=1B
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: 202-628-5197
      TELEFAX: 202-737-3528
      TELEX: 248613
      INFORMATION FOR SEQ ID NO: 6:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 299 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
      MOLECULE TYPE: protein
      US-08-479-017-6

      Query Match      11.6%; Score 75.5; DB 3; Length 299;
      Best Local Similarity 27.5%; Pred. No. 2.1;
      Matches 36; Conservative 18; Mismatches 42; Indels 35; Gaps 7;

      Oy      18 FDGEISGEGSKDAG-YVINLSKDTF-IKPYFK-----KIEEKKEENK----- 60
      Db      62 FNGKIKFYSKEKNSAGKELRATVDTELKGVSDKNNSGKLEGTAKDKTKVAMTIADL 121
      Oy      61 -----PFEDVSKKKDNPPQVNHSSQ---LNESHKEDLQ-----RE-----EHSQKSDSTKD 102
      Db      122 NTIVEIYDADNKKTGSEVVKQGSVLIKESYKANKLDSKKTIRENETTLEISMTDSSND 181
      Oy      103 VTATVLDKNNI 113
      Db      182 TKAVETLKNGI 192

      RESULT 33
      US-09-134-001C-3033
      Sequence 3033, Application US/09134001C
      Patent No. 6380370
      GENERAL INFORMATION:
      APPLICANT: Lynn Doucette-Stamm et al
      TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
      TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
      FILE REFERENCE: GTC-007
      CURRENT APPLICATION NUMBER: US/09/134,001C
      CURRENT FILING DATE: 1998-08-13
      PRIOR APPLICATION NUMBER: US 60/064,964
      PRIOR FILING DATE: 1997-11-08
      PRIOR APPLICATION NUMBER: US 60/055,779
      PRIOR FILING DATE: 1997-08-14
      NUMBER OF SEQ ID NOS: 5674
      SEQ ID NO 3033
      LENGTH: 442
      TYPE: PRT
      ORGANISM: Staphylococcus epidermidis
      US-09-134-001C-3033

      Query Match      11.6%; Score 75.5; DB 4; Length 442;
      Best Local Similarity 23.0%; Pred. No. 3.5;
      Matches 34; Conservative 21; Mismatches 50; Indels 43; Gaps 7;

      Oy      10 GELEKG---YQPDGWEISG--FEGSKDAGYVINLSKDTFIPVFKTIEKKEENK--- 60
      Db      11 GELEKG---YQPDGWEISG--FEGSKDAGYVINLSKDTFIPVFKTIEKKEENK--- 60

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Query Match Similarity 11.5%; Score 75; DB 2; Length 290;
Best Local Similarity 24.5%; Pred. No. 2,3;
Matches 34; Conservative 19; Mismatches 62; Indels 24; Gaps 4

QY      2  DFLFVYGELEKGYQFDGWEISGFEKGKDAGVINLSKDTPIKPYFKKIEEKKEEENPK 61
      105  DEFLSRGQKQKQKQKPGPNIESGNEDDDA$FK-----IKTVAQKKAERKERERK 156
QY
Db
      62  TFD-----YSKKDDPNVHNSOLINESHRKEDLGR-EESQKSDSTKV-----TA 105
      157  RDEKAKLRKLKEKELELTGKKDQKQKQKESQKRFEEETYSKIVTDGTVPASBEKATFP 216
QY      106  TVLDKNNTSSKSTNNPNK 124

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RESULT 35
US-09-295-055-1
: Sequence 1, Application US/09295055
: Patent No. 6232440
:
GENERAL INFORMATION:
: APPLICANT: Hillman, Jennifer
: APPLICANT: Corley, Neil C.
: APPLICANT: Shah, Purvi
: TITLE OF INVENTION: NEW ANEXIN BINDING PROTEIN
: NUMBER OF SEQUENCES: 3
: CORRESPONDENCE ADDRESS:
: ADDRESS: Incyte Pharmaceuticals, Inc.
: STREET: 3174 Porter Drive
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94304
:
COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: PASTSEQ for Windows Version 2.0
:
CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/295,055
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/903,801
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Billings, Lucy J.
: REGISTRATION NUMBER: 36,749
: REFERENCE/DOCKET NUMBER: PR-0354 US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415-855-0555
: TELEFAX: 415-845-4166
:
TELEX:
:
INFORMATION FOR SEQ ID NO: 1:
:
SEQUENCE CHARACTERISTICS:
: LENGTH: 290 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: LIBRARY: PROSNO1
: CLONE: 2272281
:
US-09-295-055-1
:
Query Match 11.5%; Score 75; DB 3; Length 290;
Best local similarity 24.5%; Pred. No. 2.3;
Matches 34; Conservative 19; Mismatches 62; Indels 24; Gaps 4
:
CY 2 DFLPVYKGELEKGYQFDGWEISGFEKGQAGYINISKDTFIKVFPKIEKKEENKP 61
DB 105 DFLQSRKGQKQKQKNGKPGNIESGNEDDDASFK-----IKTVAQKKAKEKERERKK 156
:
CY 62 TFD---VSKKNDPQVNHSQLNESHRKEDIQR-EHSHQKSDSTQV-----TA 105
: : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 157 RDEBKAKLRKKEKEELETGKKDQSKQESORKEEETVSKRVTDGVIPASEKAETP 216
: : : : : : : : : : : : : : : : : : : : : : : : : : : :
CY 106 TVLDKNNISKSTTNPK 124
: : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 217 TAAEDNDEGDKKKKDKKKK 235
: : : : : : : : : : : : : : : : : : : : : : : : : : : :
:
RESULT 36
US-08-533-669A-18
: Sequence 18, Application US/08533669A
: Patent No. 5834592
:
GENERAL INFORMATION:

```

APPLICANT: Corixa Corporation
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE
THERAPY AND DIAGNOSIS OF LEISHMANIASIS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/533,669A
FILING DATE: 22-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.420
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 732 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-533-669A-18

Query Match 11.5%; Score 75; DB 2; Length 732;
Best Local Similarity 22.7%; Pred. No. 7.7;
Matches 27; Conservative 25; Mismatches 37; Indels 30; Gaps 6;

QY 12 LEKGYPFGMEISGF-EGKKDAGYVNLKDTPIKVPFKIEKKEENKPTFVSKKD 70
DB 207 VKKHSQFPGYPTLFLPEKERDK---EVSD-----EAEKEDKEEKEKESES 254
QY 71 NPQVNSQLNESHKRDLDQREHSQSD---STQVATVLDKNNISSKST--TNPN 123
DB 255 KPEI-----BDVGSDEDEKDKDGDKKKKKKIKKIKYIDKEELNKTPIWTRNPD 302

RESULT 37
US-09-183-861-18
Sequence 18, Application US/09183861
Patent No. 6365165
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Webb, John R.
APPLICANT: Dillon, David C.
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE THERAPY AND
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/183,861
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/022,765
FILING DATE: 12-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.420C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 732 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-09-183-861-18

Query Match 11.5%; Score 75; DB 4; Length 732;
Best Local Similarity 22.7%; Pred. No. 7.7;
Matches 27; Conservative 25; Mismatches 37; Indels 30; Gaps 6;

QY 12 LEKGYPFGMEISGF-EGKKDAGYVNLKDTPIKVPFKIEKKEENKPTFVSKKD 70
DB 207 VKKHSQFPGYPTLFLPEKERDK---EVSD-----EAEKEDKEEKEKESES 254
QY 71 NPQVNSQLNESHKRDLDQREHSQSD---STQVATVLDKNNISSKST--TNPN 123
DB 255 KPEI-----BDVGSDEDEKDKDGDKKKKKKIKKIKYIDKEELNKTPIWTRNPD 302

RESULT 38
US-09-022-765-18
Sequence 18, Application US/09022765
Patent No. 6375955
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Webb, John R.
APPLICANT: Dillon, David C.
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE THERAPY AND
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022,765
FILING DATE: 12-FEB-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.420C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 732 amino acids
TYPE: amino acid

STRANDEDNESS:
TOPOLOGY: Linear
US-09-022-765-18

Query Match 11.5%; Score 75; DB 4; Length 732;
Best Local Similarity 22.7%; Pred. No. 7.7;
Matches 27; Conservative 25; Mismatches 37; Indels 30; Gaps 6;

Qy 12 LEKGYPGMEISGF-EKGKAGYINISKDTFIPVKIIEKKEENKPTFDVSKKD 70
Db 207 VKKHSQFIGYPITLFEKERDK---EVSDD-----EAEKEDKEEKEKEKESD 254
Qy 71 NPOVHSQLNESHREKDLQREHHSQSD---STKVATVLDKNNISKST--TNNPN 123
Db 255 KPEI-----EDVGSDEDEKDKKKKKIKIKIKYIDKELNKTPIWTRND 302

RESULT 39

US-09-551-974A-18
Sequence 18 Application US/09551974A
Patent No. 6500437
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Webb, John R.
APPLICANT: Dillon, David C.
APPLICANT: Skeiky, Yasser A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE
FILE REFERENCE: 210121.420C5
CURRENT APPLICATION NUMBER: US/09/551,974A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 101
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18
LENGTH: 732
TYPE: PRT
ORGANISM: Homo sapien
US-09-551-974A-18

Query Match 11.5%; Score 75; DB 4; Length 732;
Best Local Similarity 22.7%; Pred. No. 7.7;
Matches 27; Conservative 25; Mismatches 37; Indels 30; Gaps 6;

Qy 12 LEKGYPGMEISGF-EKGKAGYINISKDTFIPVKIIEKKEENKPTFDVSKKD 70
Db 207 VKKHSQFIGYPITLFEKERDK---EVSDD-----EAEKEDKEEKEKEKESD 254
Qy 71 NPOVHSQLNESHREKDLQREHHSQSD---STKVATVLDKNNISKST--TNNPN 123
Db 255 KPEI-----EDVGSDEDEKDKKKKKIKIKIKYIDKELNKTPIWTRND 302

RESULT 40

US-09-328-352-8222
Sequence 8222 Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 8222
LENGTH: 112
TYPE: PRT
ORGANISM: Acinetobacter baumannii
US-09-328-352-8222

Query Match 11.4%; Score 74.5; DB 4; Length 112;
Best Local Similarity 29.9%; Pred. No. 0.73;

Matches 23; Conservative 15; Mismatches 26; Indels 13; Gaps 4;

Qy 50 KIEEKEENKPTFDVSKKDPVHNSQNLNESHREKDLQREHHSQSDSTKVATVLD 109
Db 47 KNSKAQKCKCKPCDMKDGKNGQ-NHSQHDHS-QMSDMSQMDHSKMMN-----MD 95
Qy 110 KNNIS--SKSTNNPNK 124
Db 96 HSGMSEMDHSKMMNPNK 112

Search completed: February 10, 2004, 10:59:55
Job time: 9.19881 secs

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